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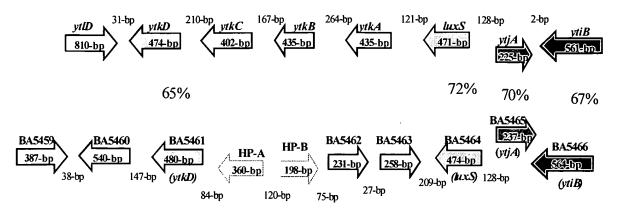
1	ATGCCATCAG	TAGAAAGCTT	TGAATTAGAT	CATACGATTG	TAAAGGCACC
51	TTATGTAAGA	CATTGCGGAG	TTCACAATGT	AGGTAGTGAC	GGTATTGTAA
101	ATAAATTCGA	TATTCGTTTT	TGCCAACCGA	ATAAACAAGC	AATGAAACCA
151	GATGTTATTC	ATACGTTAGA	ACATTTATTA	GCATTTAATT	TACGTAAATA
201	TATTGATCGT	TATCCACATT	TTGATATTAT	CGATATTTCA	CCAATGGGCT
251	GCCAAACAGG	ATACTACCTT	GTAGTAAGCG	GAACACCGAC	AGTTCGAGAA
301	ATCATTGATT	TATTAGAATT	AACATTAAAA	GATGCGGTTC	AAATTACAGA
351	AATTCCAGCT	GCAAATGAAA	CACAATGTGG	TCAAGCGAAG	CTTCACGATT
401	TAGAAGGAGC	AAAACGCTTA	ATGAACTTCT	GGTTAAGCCA	AGATAAAGAT
451	GAACTTGAGA	AAGTATTTGG	ATAA		

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1	MPSVESFELD	HTIVKAPYVR	HCGVHNVGSD	GIVNKFDIRF	40
41	CQPNKQAMKP	DVIHTLEHLL	AFNLRKYIDR	YPHFDIIDIS	80
81	PMGCQTGYYL	VVSGTPTVRE	IIDLLELTLK	DAVQITEIPA	120
121	ANETQCGQAK	LHDLEGAKRL	MNFWLSQDKD	ELEKVFG	157

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B. subtillis

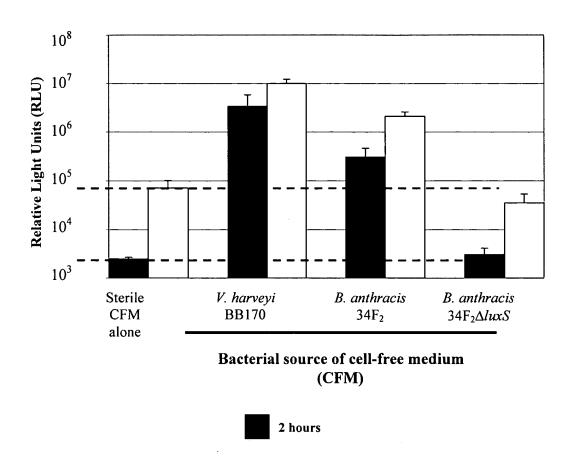


B. anthracis

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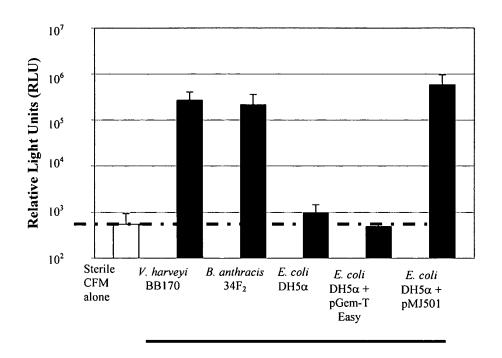
			. 4		L.	
	20	40	60	80	100	
E. coli	MPLIDSTIMPEN BARREDAM SWAKT-HNT PHE	BANTVIORSECVENSKYN	PROGRESS ASSESSED FOR VERNING PROGRESS	NHLECNC-VETTO SERVICE	DIMENSION 94	4
S. typhimurium	HPLIDISEAUDHIONDAUDEAKT-HNIPHS	DALITYED LEGC I DALKWA	PRKCHEN MENTEGYAR	DHLECNC-VEILIDESPHO	PROMINISTET: 94	
Y. pestis	:HPLIDSETUDHITUKAPAVRUAKT-MKTPHE	DELITOFOLISTICVENSEVAN	PEKGARA GERAFAGFAR	DHLEEDG-VETIDESPIGO	RICH MUSICIPET : 94	4
V. cholerae	:HPLLDSFTWDHTRHBAPAVRYAKT-HOTPKE	DILLARDIELHDARDIE	SKRCHHILKHLYGGFAR	NHLEGSO-VEIIDESPACO	RICEGUSITEA: 94	1
V. harveyi	HPLINDSHTINGER BINGSPART-HOTPKE	DILIVEDLESTAPHEDI	sekchen en yacı	NHLEGDS-VEIIDUSPICO	ROGENISETET : 94	4
H. influenzae	:nplidsfkvd-nkomapavenakt-nltpr	DMITWFOLDSCIPMERIC	SPKCHILLEHLPECPUS	DHLECDS-IBIID EP CC	RTGFRESEICT: 93	3
N. meningitidis	:HPLEDSFRWINGRHEAFAWRVART-HTTPKS	DILIVEDURECVINERIE	PRECENT BEILPAGPIE	DHLUGNG-VEHIDÜSPHO	PROPERSON : 94	1
C. jejuni	:HPLIDSFKUDEDKUPAPAVRIAKV-MKTPKA	DDISVFOLERCI PARDIM	sekêt en lehl faciya	DHLESNS-VEIIDESPEC	ม ้าเคาส์แร ดีเรียช : 94	1
B. anthracis	:hēsvesfridhāivkapyvrhccvhnvcsdē	-IVAKEDI RECOPAKÇAD	KPDVII HTTEHUL VINGS	KYI RYPHYD I ID SPEC	QROMBUVÄSET: 95	5
B. subtilis	:MANNERSHINGS IN WARRING AND FIRST PARTY OF LESS	-VWNKUDI PECOPAROAII	KPD THE THE SECOND SERVICES	SHARKYDEEDIIDESPER	ก กษา ซึ่งสงสีราชิก : 95	
B. halodurans	:Hetwespridhtivkappvppccthkvctne	– Evmred i rup opnišojani	KDDA HAMBEIT F TNÖB	KPARAYDHFDVID SPICC	OTGFÅNIESEK: 95	
S. aureus	:htkhnwesfwldemkwyapfiräägt-heglng	DATHKADI BAKO BAKAHA	ompērastratumērnē	NHSD-KWVD SP CO	០៤៤ ខ្លឹមនឹក្សាអ : 92	
L. monocytogenes	: -Harkinivesfuldhürvkapfvrlägj-kvcvh	STIAKADA BAKO BYODHIO DRIAKADA BAKO BYOREHIO	empagnisterithogelar	NHTD-KIVDÜSPÜCC	OTGFក្តីបន្ទុំក្នុំហាក : 93 OTGFក្តីប្រើស្និហាក : 94 PTGFក្តីប្រើស្និហាក : 89	
H. pylori	: HKTPKHNVESEMIDHÆKVKAPYVRØADR-KKGVNØ	TITAKADA BEKO BWODHIO	DHPS HIS HELVERING	NHAS-YVVDUSPYGO	oteriju išlini : 94	
E. faecalis	:Harvesfeldentwrapyvrjict eon-cd	YIMERADI DELOMEDALI	PTCAIRMANNALIVINE	DRIKCHIDESDICC	RICHANIZUDQ: 89	
C. botulinum	:Ĥvkvesfsedhōkukap7vrkcct-okcem	CTUTKIJOHRESQIPAREBIO	PTGAMMAMAMAMAMAMAM	KMPNIIDESPEC	RIGFEMIAUER: 90	
S. pyogenes	: -HTKEVIVESFELDHÖLVRADYVRAISE-EFGPK	NEW LENGTH ACTION ON SHI	KTACHAMANA LUKLUR	ORÍDGHIDCSPFCO		
S. peumoniae	: -HSKEVI <mark>WESFELDHÜIWKAP</mark> YVRJIGE-ETGPKE	NITHERMOMETAGENERDEN	PTA <u>C)ata a asta Lo</u> KL <u>ac</u>	L KĪĒ Cītatā Cētā k Rī	R TGFHUI¥UĞ R : 93	3
	*					
	120	140	160	180		
E. coli	: Pdeqriadvwkaalegypkyodonoleelijvyioo				71	
S. typhimurium	: PDEOREADAWKAANADWIKVODONOTERLEVYDOG	TYOM SUSBAOD PRHIM	erd vrvhsnke aldke	KLORLHI : 17	71	
Y. pestis	- PDROPRADAUKAANADERKUTDORKUERLERYEDE	TYHEERIKKAOSIKATI	DRDVRTNHNRREALDKR	KLTRLHI : 17	71	
V. cholerae	: PAROOPAOVAMITYMAKAROKOIDELPELPEA : BAROOPAOVAMITYMAKAROKOIDELPEA	taamiej reaka ykmvil	aagisväpnde alpes	HLNELKVH: 17	72	
V. harveyi	: PSEQQUADAWIAMED KVENQNKIPEL EY CC	TAAHHELD BAKQI EKNI	evcůavníkno e zaú pes	HLRELRID: 17	72	
H. influenzae	· PHROKESRAHI ASKODERECTODOASHORLETYÄNE	SYTRESTROUNTERSKING	A DCTCUMENED EST DNS	LLK 16	56	
N. meningitidis	: PSECOGADAULASMOD PROVINDOSKIPEL EYEC	туоннёцавлоой опус.	arkvavijkne e j t lde c	LLNA : 16	8	
C. jejuni	: pdeksuakaweaanko y sysdoskifel iyicg	TCAMES UD BAKO (OKVE	nlgisiinnke <mark>i</mark> klena	:, 16	54	
B. anthracis	・ DTVDで設すりにに対して同なでいる恋のボーニーTV回収さるを示すて管理を	O PRI GOODLA CHRAIGHNIAN IN	50DKD#1.KK@#C	: 19	57	
B. subtilis	: PISABOVDLLEDONKEAGETTEMPAAGEKOC	oakledurgakrimtyws oakledudgakrimtyws	SQDKKELLK E FG	: 15		
B. halodurans	: givee idvleojnkys egeevpaagekoc	OAKLEDIDGAKK MTYWE	SHBKDSLIK G FES	: 15	•	
S. aureus	: DUYDDULNIVEATLYDWNATEWFACGEVROC	vaasiedicaktiioafi	DKbïien:d\belck	: 15	-	
L. monocytogenes	: SDYDDALBIIATÄLTÄÄVATEVVACEEVÄCC	vaastisu ecokaline eff.	akrsewknijfge	: 18	-	
H. pylori	: DBYTERLEVLEKŤMODÝŽKATEVPAS <u>Š</u> EKŠCC	makohen banka akka ak mya elemen banka ake mya elemen banka ake mya elemen banka aka mya elemen banka aka aka aka aka aka aka aka aka aka	DKRAEWSENGY	: 15	•	
E. faecalis	: HSPQI PDALVNVLNKOVITEVVEAVSAKECO	MAKDIRENAMKIARIA	DOGISLDPFRRUL			
C. botulinum	: VEVDT IBALNYSLYKVIETBEVPAT JAVICO	Madhir a ang kadikha	NQCISNEVFRZYQRAYF		=	
S. pyogenes	: HSSTD AKVIKSS BEHATGITUED VEGTILES CO	WYKDEENFACKEWOOLING	DUGISDDPFSRHVI	: 16		
S. peumoniae	: HTSAKŪAAVIKOŠ <mark>I</mark> KEŪARTTTUBD <mark>VE</mark> GTTIBS <mark>CG</mark>	MAKDERNARDKAMOKITE	RÁPTZDĎVKRNHAŤ	: 16	oU .	

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4 hours

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Bacterial source of cell-free medium

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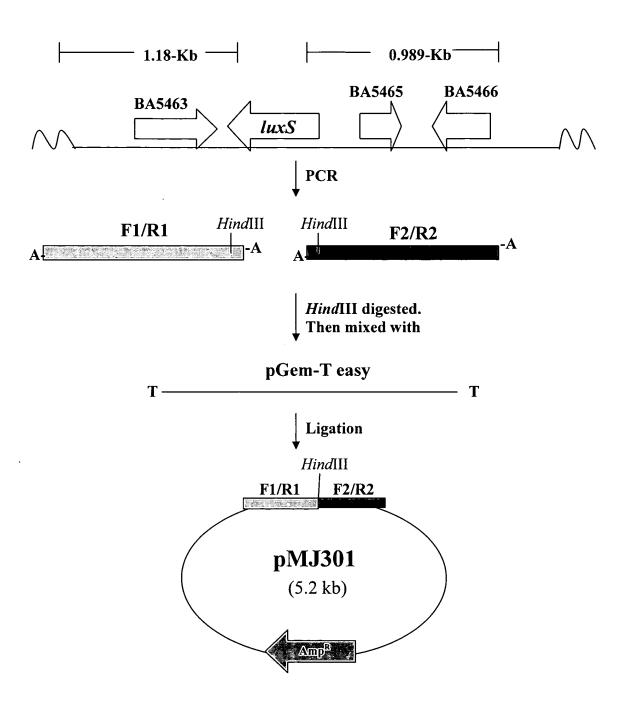


FIGURE 7A

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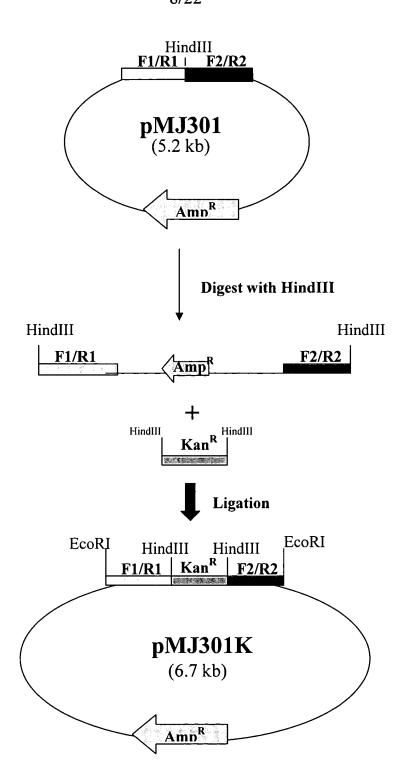
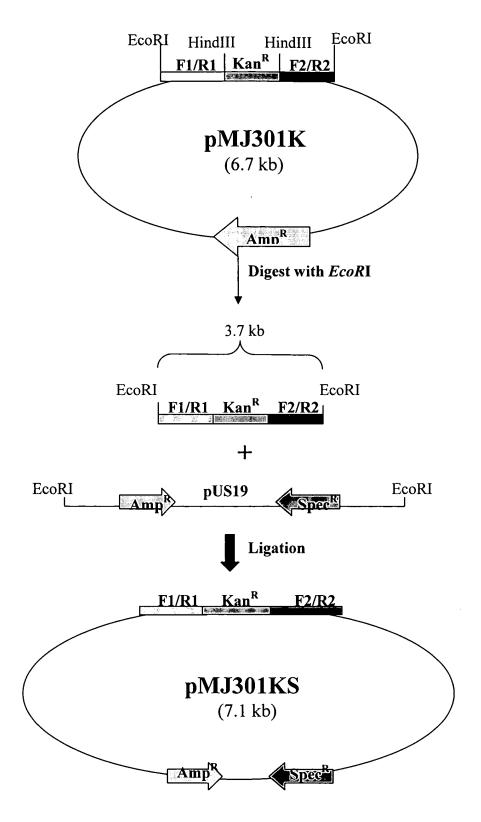


FIGURE 7B

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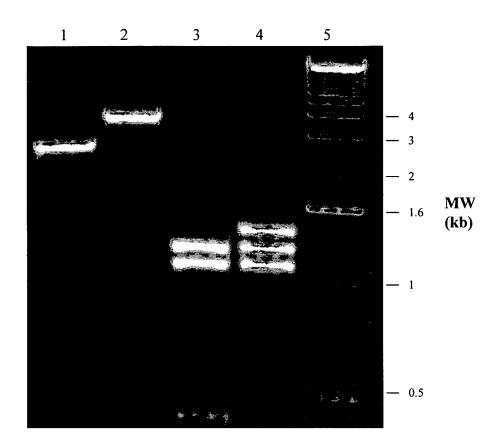


FIGURE 8

Docket No. 05986/100M724-US1 Jones, et al. 11/22

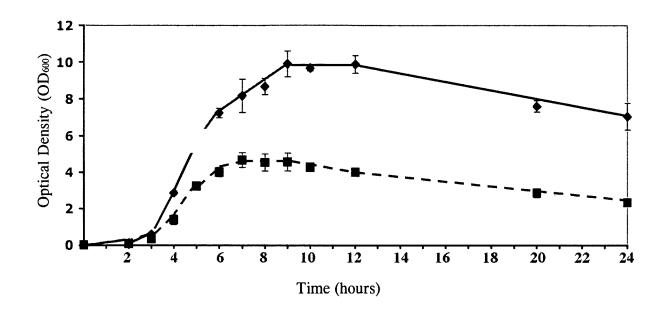
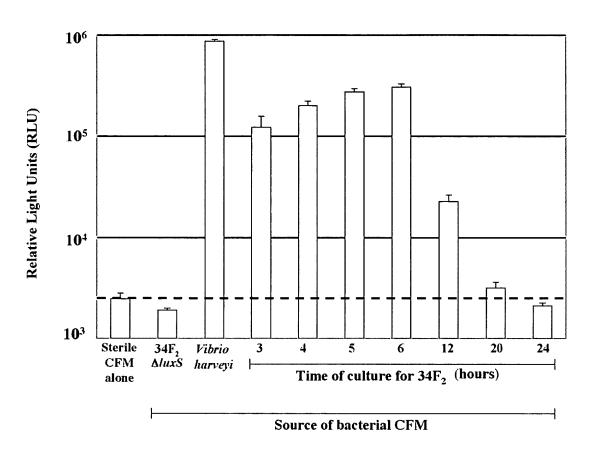


FIGURE 9



Docket No. 05986/100M724-US1 Jones, et al. 13/22

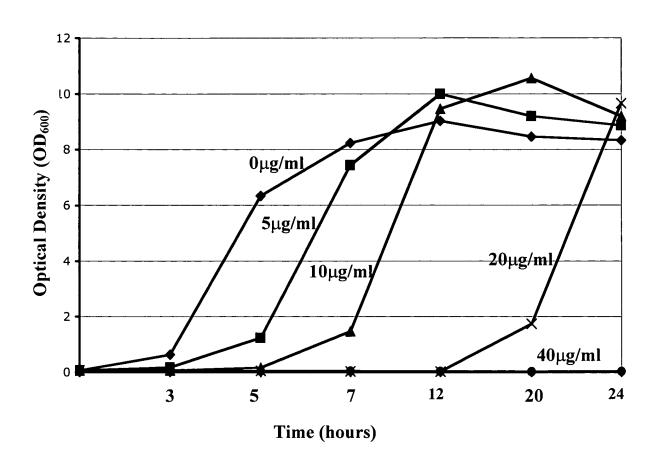


FIGURE 12

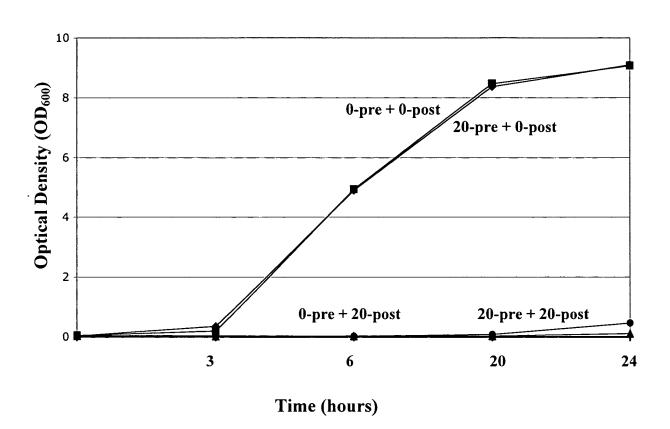


FIGURE 13

Docket No. 05986/100M724-US1 Jones, et al. 16/22

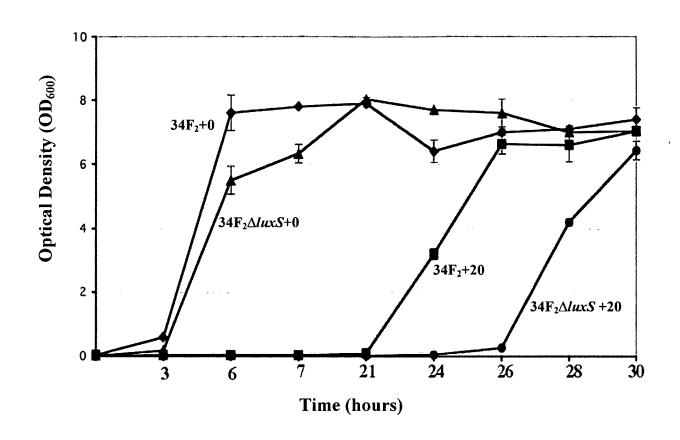


FIGURE 14

Docket No. 05986/100M724-US1 Jones, et al. 17/22

1	ATGCCTTCAG	TAGAAAGTTT	TGAGCTTGAT	CATAATGCGG	TTGTTGCTCC
51	ATATGTAAGA	CATTGCGGCG	TGCATAAAGT	GGGAACAGAC	GGCGTTGTAA
101	ATAAATTTGA	CATTCGTTTT	TGCCAGCCAA	ATAAACAGGC	GATGAAGCCT
151	GACACCATTC	ACACACTCGA	GCATTTGCTC	GCGTTTACGA	TTCGTTCTCA
201	CGCTGAGAAA	TACGATCATT	TTGATATCAT	TGATATTTCT	CCAATGGGCT
251	GCCAGACAGG	CTATTATCTA	GTTGTGAGCG	GAGAGCCGAC	ATCAGCGGAA
301	ATCGTTGATC	TGCTTGAAGA	CACAATGAAG	GAAGCGGTAG	AGATTACAGA
351	AATACCTGCT	GCGAATGAAA	AGCAGTGCGG	CCAAGCGAAG	CTTCATGATC
401	TGGAAGGCGC	TAAACGTTTA	ATGCGTTTCT	GGCTTTCACA	GGATAAAGAA
451	GAATTGCTAA	AAGTATTTGG	С		

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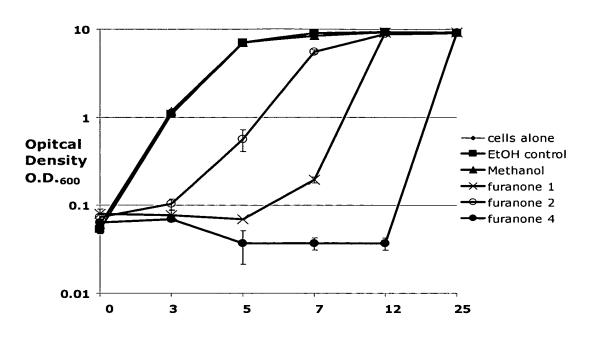
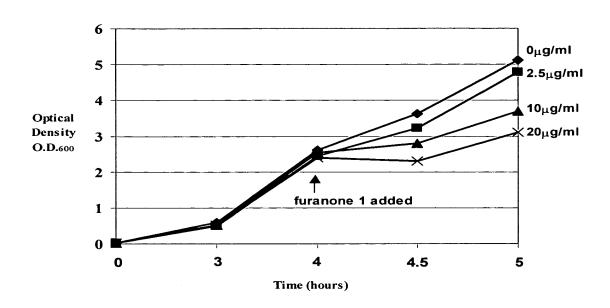


FIGURE 16

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Docket No. 05986/100M724-US1 Jones, et al. 20/22

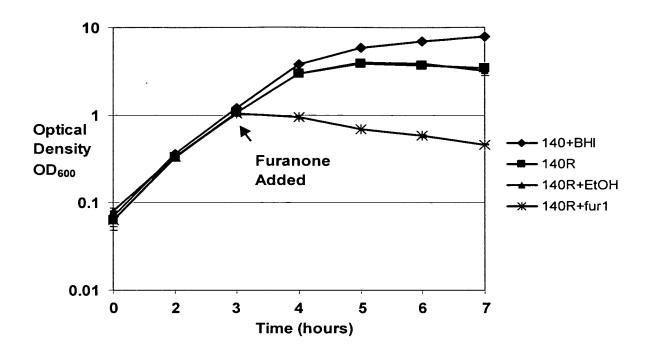


FIGURE 18A

Docket No. 05986/100M724-US1 Jones, et al. 21/22

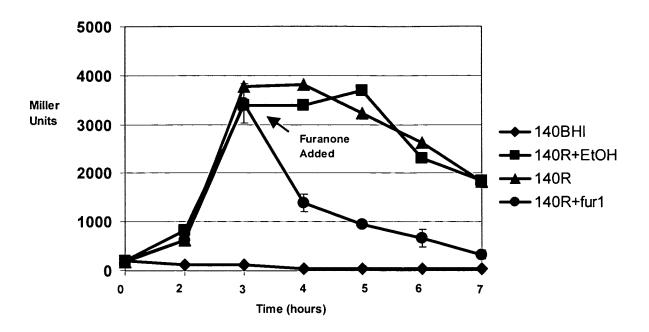


FIGURE 18B

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30 minutes post- exposure	20μg/ml 20μg/ml 20μg/ml 20μg/ml	-2.7 -4.8	-3.4 -5.1	-5.7 -3.3	-2.92 -2.4 -3.4 -2	-2.7	-2.6	-3.49 -2.4 -3.6 -3		2 2.1	6.08 4.8 4.5 4.4	ער
15 minutes post- exposure	10µg/ml	-2.57	-1.99	-2.37	-5.03	-4.20	-4.60	-5.58		3.64	6.07	0 40
Genes down-regulated	Common Name	CTP synthase	S-layer protein Sap	immune inhibitor A metalloprotease	peptidase, M23/M37 family			conserved hypothetical protein	Genes up-regulated	germination protein gerN		actoribor (cictora reinrea hace) hace
	<u>Locus</u>	BA5583	BA0885	BA1295	BA1449	BA2918	BA5415	BA0796		BA1639	BA2239	0 4 1 2 2 2

FIGURE 19